CLAIMS

What is claimed is:

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1.   A method for modifying a Dynamic Host Configuration Protocol (DHCP) server configuration for a dynamically configured system within a network, comprising:

receiving a modify packet from a first system at a DHCP server which manages a stored

10   configuration for a dynamically configured system; and

modifying said stored configuration for said dynamically configured system according to said modify packet received from said first system, such that said first system is enabled to request modification of a DHCP server configuration for a dynamically configured system.

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2.   The method according to claim 1 for modifying a DHCP configuration further comprising:

receiving a request from said first system to register for modification privileges at said

20   DHCP server;

responsive to said first system qualifying for modification privileges, storing a record of said registration at said DHCP server for authenticating said modify packet as received from a registered system.

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3.   The method according to claim 1 for modifying a DHCP configuration further comprising:

only modifying said stored configuration for said dynamically configured system according to said modify packet if said first system is authenticated as registered with said DHCP server for modification privileges.

5   4.   The method according to claim 1 for modifying a DHCP configuration, wherein receiving a modify packet from a first system further comprises:

receiving said modify packet from said first system, wherein said first system is a statically configured system.

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5.   The method according to claim 1 for modifying a DHCP configuration, wherein receiving a modify packet from a first system further comprises:

receiving said modify packet from said first system, wherein said modify packet specifies

15   one from among a DHCP client, class and network, a particular option from among a plurality of DHCP options, and a value to assigned to said particular option.

6.   A system for modifying a Dynamic Host Configuration Protocol (DHCP) server configuration for a dynamically configured system within a network, comprising:

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a dynamically configured system communicative connected to a network; and

a DHCP server communicatively connected to said network, wherein said DHCP server manages a stored configuration for said dynamically configured system, wherein responsive to

25   receiving a modify packet from a first system to modify said stored configuration for said dynamically configured system, said DHCP server modifies said stored configuration for said dynamically configured system according to said modify packet received from said first system.

7.   The system according to claim 6 for modifying a DHCP configuration, wherein said DHCP server further comprises:

means for receiving a request from said first system to register for modification privileges
5   at said DHCP server;

means, responsive to said first system qualifying for modification privileges, for storing a record of said registration at said DHCP server for authenticating said modify packet as received from a registered system.
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8.   The system according to claim 6 for modifying a DHCP configuration, wherein said DHCP server further comprises:

means for only modifying said stored configuration for said dynamically configured
15   system according to said modify packet if said first system is authenticated as registered with said DHCP server for modification privileges.

9.   The system according to claim 6 for modifying a DHCP configuration wherein said first system is a statically configured system in said network.
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10.   The system according to claim 6 for modifying a DHCP configuration wherein said modify packet specifies one from among a DHCP client, class and network, a particular option from among a plurality of DHCP options, and a value to assigned to said particular option.

25   11.   A computer program product, recorded on a computer readable medium, for modifying a Dynamic Host Configuration Protocol (DHCP) server configuration for a dynamically configured system within a network, comprising:

means for enabling receipt of a modify packet from a first system at a DHCP server which manages a stored configuration for a dynamically configured system; and

means for controlling modification of said stored configuration for said dynamically 5   configured system according to said modify packet received from said first system.

12.   The computer program product according to claim 11 for modifying a DHCP configuration further comprising:

10   means for enabling receipt of a request from said first system to register for modification privileges at said DHCP server;

means, responsive to said first system qualifying for modification privileges, for controlling storage of a record of said registration at said DHCP server for authenticating said 15   modify packet as received from a registered system.

13.   The computer program product according to claim 11 for modifying a DHCP configuration further comprising:

20   means for only enabling modification of said stored configuration for said dynamically configured system according to said modify packet if said first system is authenticated as registered with said DHCP server for modification privileges.

14.   A method for requesting modification of a DHCP configuration of a dynamically 25   configured system, comprising:

specifying, at a first system, a modify packet to request modification of a stored configuration for a dynamically configured system; and

sending said modify packet to a DHCP server which manages said stored configuration for said dynamically configured system, wherein said DHCP server is enabled to modify said stored configuration according to said modify packet.

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15.   The method according to claim 14 for requesting modification further comprising:

sending a registration request for modification privileges to said DHCP server; and

10   responsive to receiving an indicator that said modification privileges are granted by said DHCP server, sending said modify packet to said DHCP server.

16.   A system for requesting modification of a DHCP configuration of a dynamically configured system, comprising:

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a first system communicatively connected via a network to a DHCP server for managing a stored configuration of a dynamically configured system;

said first system further comprising:

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means for specifying, at a first system in a network, a modify packet to request modification of a stored configuration for a dynamically configured system in said network; and

means for sending said modify packet to a DHCP server which manages said stored

25   configuration for said dynamically configured system, wherein said DHCP server is enabled to modify said stored configuration according to said modify packet.

17.   The system according to claim 16 for requesting modification, said first system further

comprising:

means for sending a registration request for modification privileges to said DHCP server; and

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means, responsive to receiving an indicator that said modification privileges are granted by said DHCP server, for sending said modify packet to said DHCP server.

18.   A computer program product, recorded on a computer readable medium, for requesting

10   modification of a DHCP configuration of a dynamically configured system, comprising:

means for controlling specification, by a first system, of a modify packet to request modification of a stored configuration for a dynamically configured system; and

15   means for enabling transmission of said modify packet to a DHCP server which manages said stored configuration for said dynamically configured system, wherein said DHCP server is enabled to modify said stored configuration according to said modify packet.

19.   The computer program product according to claim 18 for requesting modification further

20   comprising:

means for enabling transmission of a registration request for modification privileges to said DHCP server; and

25   means, responsive to receiving an indicator that said modification privileges are granted by said DHCP server, for enabling said transmission of said modify packet to said DHCP server.